PROSCAN

LCD TV

PLCD3956A

INSTRUCTION MANUAL

IMPORTANT

please read this manual carefully before installing and operating the TV.
Keep this manual handy for further reference.

SAFETY INSTRUCTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and / or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your Liquid Crystal Television, please read the following precautions carefully before using the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightening storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SAFETY INSTRUCTIONS

This product is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire. To prevent the product from being damaged, the following rules should be observed for the installation, use and maintenance of the product. Read the following safety instructions before operating the display. Keep these instructions in a safe place for future reference.

- To avoid the risk of electric shock or component damage, switch off the power before connecting other components to the TV.
- Unplug the power cord before cleaning the TV. Please use the included custom bezel cleaning cloth for cleaning the bezel of the TV only. Do not use a liquid or a spray cleaner for cleaning the product. Do not use abrasive cleaners.
- Always use the accessories recommended by the manufacturer to insure compatibility.
- When moving the TV from an area of low temperature to an area of high temperature, condensation may form on the housing. Do not turn on the TV immediately after this to avoid causing fire, electric shock or component damage.
- Do not place the TV on an unstable cart, stand, or table. If the TV falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the TV.
- Any heat source should maintain a distance of at least 5 feet away from the TV, i.e. radiator, heater, oven, amplifier etc. Do not install the product too close to anything that produces smoke or moisture. Operating the product close to smoke or moisture may cause fire or electric shock.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the TV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the ventilation slots of the TV. Do not place any objects on the top of the Product. It could short circuit parts causing a fire or electric shock. Never spill liquids on the TV.
- Do not use the TV in a portrait format (by rotating 90 degrees) under high temperature environment (25°C or higher), since this would retard heat dissipation and would eventually damage the TV.
- The TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The power cable must be replaced when using different voltage from that specified in the User Manual. For more information, contact your dealer.
- The TV is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

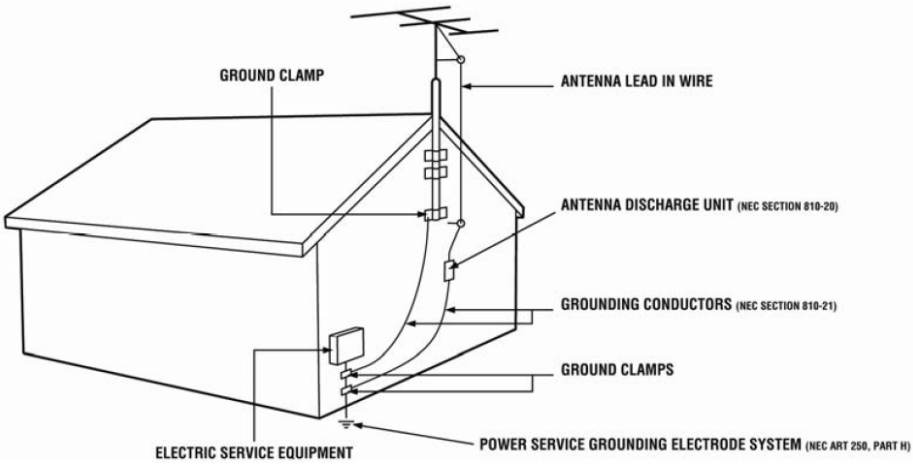
- The wall socket should be installed near the equipment and should be easily accessible.
- Only the marked power source can be used for the product. Any power source other than the specified one may cause fire or electric shock.
- Do not touch the power cord during thunderstorms. To avoid electric shock, avoid handling the power cord during electrical storms.
- Unplug the unit during a lightning storm or when it will not be used for a long period of time. This will protect the TV from damage due to power surges.
- Do not attempt to repair or service the product yourself. Opening or removing the back cover may expose you to high voltages, the risk of electric shock, and other hazards. If repair is required, please contact your dealer and refer all servicing to qualified service personnel.
- Keep the product away from moisture. Do not expose this appliance to rain or moisture. If water penetrates into the product, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
- Do not use the product if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair the product yourself.
- Avoid using dropped or damaged appliances. If the product is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of the product may cause fire or electric shock.
- Do not install the product in an area with heavy dust or high humidity. Operating the product in environments with heavy dust or high humidity may cause fire or electric shock.
- Hold the power connector when removing the power cable. Pulling the power cable itself may damage the wires inside the cable and cause fire or electric shocks. When the product will not be used for an extended period of time, unplug the power connector.
- To avoid risk of electric shock, do not touch the connector with wet hands.
- Insert batteries in accordance with instructions while using the remote control. Incorrect polarities may cause damage and leakage of the batteries, operator injury and contamination the remote control.
- If any of the following occurs please contact the dealer:
    - The power connector fails or frays.
    - Liquid sprays or any object drops into the TV.
    - The Display is exposed to rain or other moisture.
    - The Display is dropped or damaged in any way.
    - The performance of the Display changes substantially.
- Operating environment: Temperature: 5°C ~ 35°C, Humidity: 10% to 90% non-condensing, Altitude: 0~10,000 ft.

IMPORTANT INFORMATION

Television Antenna Connection Protection

External Television Antenna Grounding

If an outside antenna or cable system is to be connected to the TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges. Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

Lightning Protection

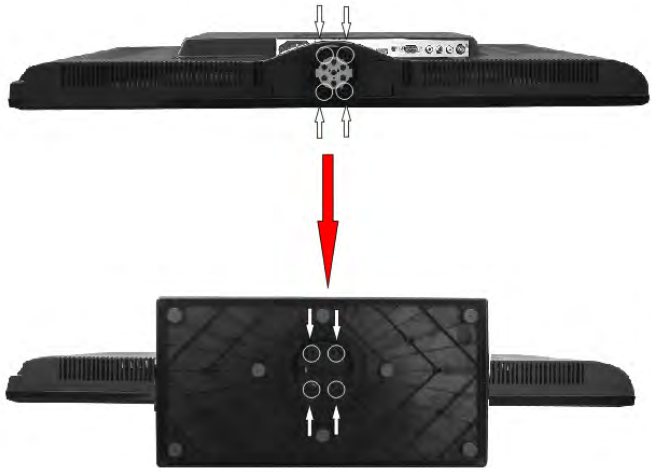
For added protection of the TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the TV from the wall outlet and disconnect the antenna or cable system.

Power Lines

Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

Attaching or Removing the Stand

To attach the stand, place the display unit flat on a table. Afterwards match the 4 pins on the neck to the 4 pin holes on the stand.



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Identifying Front and Rear Panel

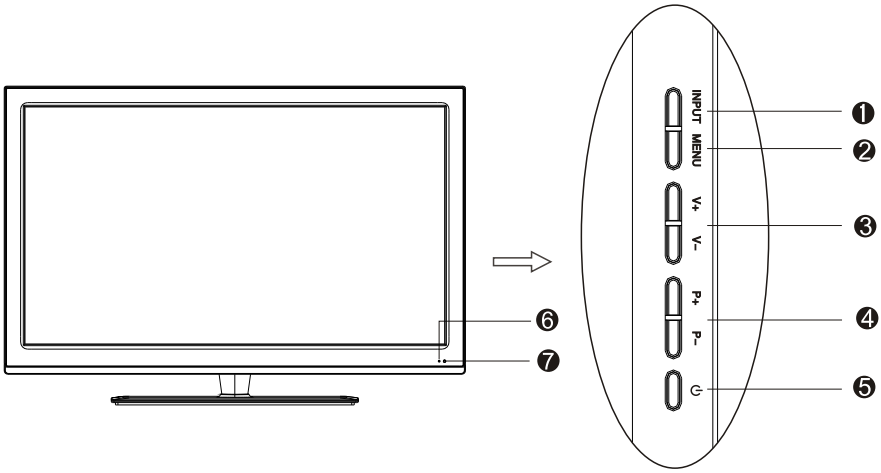
Front View

INDICATOR LIGHT – The light is red when power is plugged in but the TV is not turned on. The light turns green when the TV is turned on. **Because of the LCD in the panel, the TV might take 10 – 12 seconds to power on.**
REMOTE SENSOR – The remote sensor receives all the commands from the remote control.

Rear View Mounting Pattern

Mounting Specification : **400mm x 200mm** using screw size **M4**. Length of screw should not exceed **8mm**.
Please Note : The 8**mm** length of screw refers to how deep the screw can go inside the mounting holes. When you're buying screws, you should add the original 8mm to the thickness of your mounting plate in order to get the total screw length.

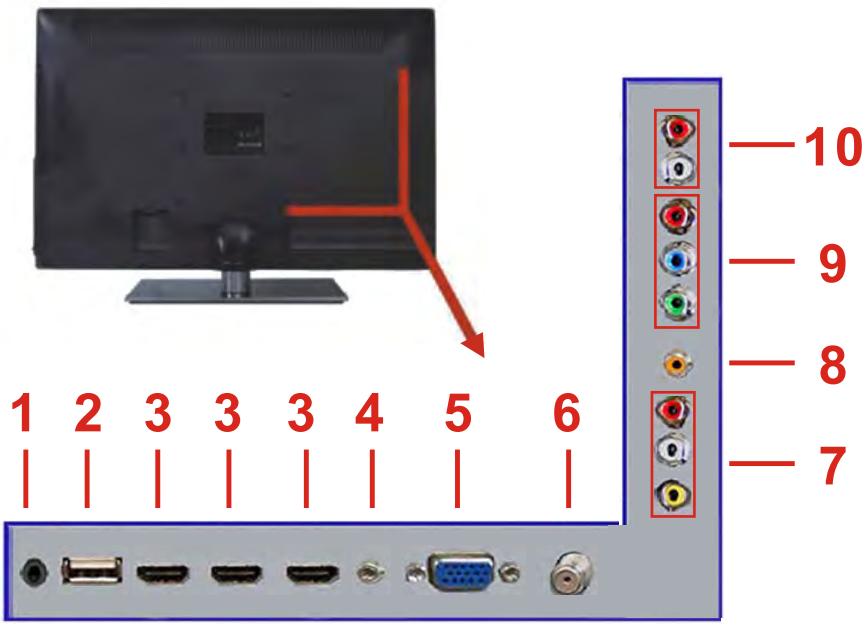
Side Control Buttons



Item	Button Name	Description
❶	INPUT	This button switches between all the different sources of the TV. When the OSD is active, this button acts as the enter button and confirms the menu selection.
❷	MENU	Enter or exit from the menu.
❸	V+/–	Increase or decrease the volume. Adjust the values of the selected menu item in the OSD menu.
❹	P+/–	When you are watching the TV program, press these buttons to select channel in ascending or descending order. Select the upper or lower menu item in the OSD menu.
❺	⏻	Switch on the TV when at standby mode or vice versa.
❻	Power Indicator	Illuminates red in standby mode. Illuminates green when the TV is switched on.
❼	Remote Sensor	Infrared sensor for the remote control.

Note:
If there is no signal input from VGA/HDMI for 1 minute, or no signal input from other video source (the blue background should be set to On) for over 15 minutes, the TV will switch to standby automatically. The power indicator will light up in red.

Rear View Connections



1. **Earphone** – This connection is for headphones to be attached to the TV.

2. **USB –** USB connects to USB flash drives for playing music and picture**.** The USB port is also used for updating the TV's firmware.

3. **HDMI 1-3** – HDMI connects to devices that use HDMI cable, such as Blu-ray or HD DVD player, or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video**.**

4. **Audio In** - This connection port is for people who want to provide audio to the TV when using a PC or a DVI video device. The sources use 3.5mm mini-jack audio cable.

5. **VGA** - This connection port connects to a PC for video using VGA cable. Be sure to connect your audio cable to the VGA Stereo input if you want sound out of VGA video source**.**

6. **TV** – This connection is for digital or analog cable without the cable box or over-the-airwave antennas. The tuner is a hybrid tuner that tunes to both analog and digital channels. This connection uses coaxial RF cable.

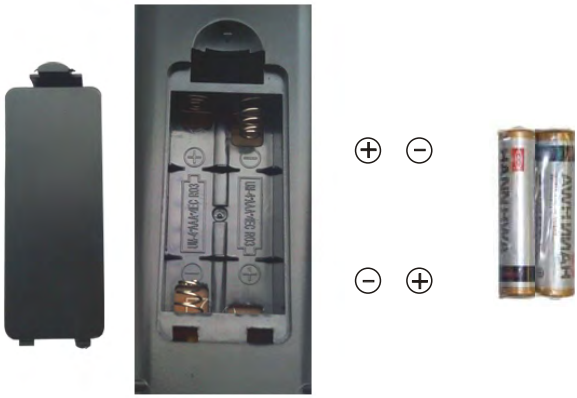
7. **Video** – Video connects to devices that use composite video cables such as VCR or DVD player or Wii™. Connect the yellow for video and the red / white for audio.
8. **SPDIF** - This connection port is used for sending out digital audio signals to digital surround sound receivers. The orange (COAX SPDIF OUT) connector sends out either bit-stream or PCM digital sound signal to a home theater receiver with digital coax input.
9. **YPbPr** – This connection port is for DVD players or satellite / cable set-top boxes that use component cables. From left to right, connect green, blue, and red for video, and then connect white for left channel audio, and red for right channel audio. **This port shares the audio jacks with Video.**
10. **Audio** OUT - Audio R Audio L Out.

Please Note:

- This TV features a power saving function which will turn off the TV automatically after 10 minutes of idling on a connection with no signal. This feature is present on all connection.

Installing Batteries to the Remote Control

Please insert the AAA batteries into the remote control. **Make sure the (+) side and the (-) side are installed correctly. When you are installing the battery, the remote's backside should be facing up.** Afterwards, re-attach the battery cover.

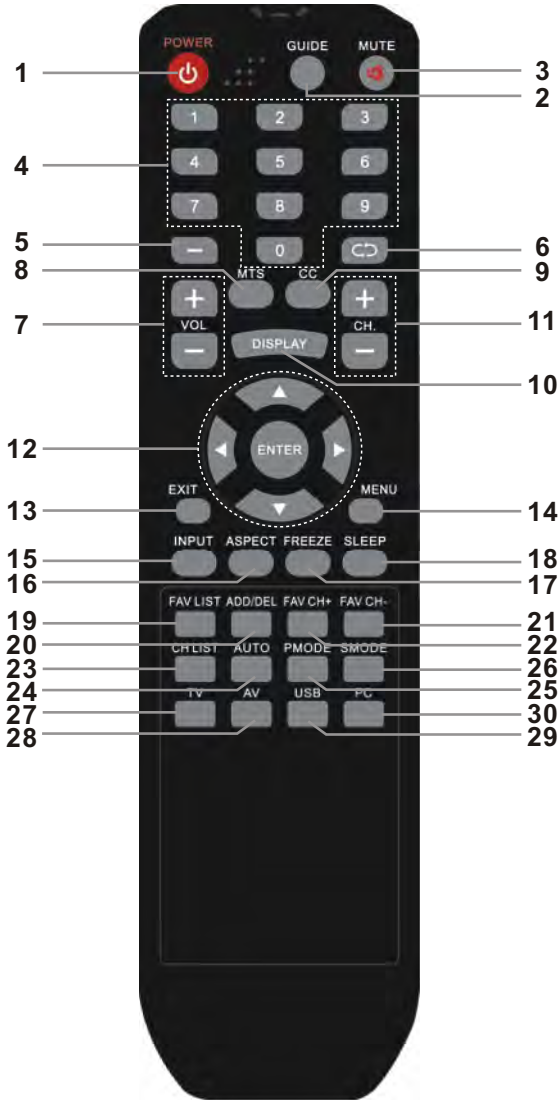


Please note:

- Only use AAA batteries.
- Inserting the batteries incorrectly may also result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Dispose the batteries in accordance with local laws and regulations.
- Keep the batteries away from children and pets.
- If the remote control is not used for a long time, remove the batteries.
- Keep the remote control away from moisture, sunlight, and high temperatures.

TV Remote Control

CUCTOM CODE: 08F7



⚠ **For universal remotes, this TV follows NEC's universal remote code. You need to find the actual code from your cable or satellite or universal remote provider.**

1. POWER – Turns the TV on or off.
2. GUIDE – Opens the current digital channel information guide **(antenna only**).
3. MUTE – Turns the sound off from the TV. To un-mute either press VOL(+) or press the MUTE button again.
4. NUMBER BUTTONS (0-9) – Press 0-9 to select a TV channel directly when you are watching TV. The channel will change after 2 seconds.
5. (-) – Inserts the dash for selecting digital channels directly.
6. R – Returns to the previous channel.
7. VOL(+)/VOL(-) – Press the VOL buttons to increase or decrease the sound level.
8. MTS – Selects stereo, mono, or second audio programming.
9. CC – Cycles between different closed captioning modes.
10. Display – Shows the display info.
11. CH(+)/ CH(-)– functions as **channel up** and **down**.
12. ▲/▼/◄/►/ENTER – These directional buttons allow you to move around in the TV's menu. Press the ENTER button when you want to select a particular option.
13. EXIT – Exit the main TV menu on the screen.
14. MENU – Brings up the main TV menu on the screen.
15. INPUT – Press this button to cycle through the INPUT source .
16. ASPECT – Press this button to change the picture's cropping method.
17. FREEZE – Press this button to freeze current picture.
18. SLEEP – Turns the TV off in a specific set of time dependent on your selection.
19. FAV LIST – Gives you your list of favorite channels.
20. ADD/DEL – Adds or Deletes current channel from the favorite list.
21. FAV(-) – Press this button to change to the previous favorite channel.
22. FAV(+) – Press this button to change to the next favorite channel.
23. CH LIST –channel list
24. AUTO–PC Auto Adjust
25. PMODE – Selects various preset picture settings.
26. SMODE - Selects various preset sound settings.
27. TV – This button select the source TV.
28. AV – This button select the source TV.
29. USB – Launches the USB reader function for the pictures and music.
30. PC – This button select the source PC.

Setup Wizard

Connect an RF cable from the Tv's input called "RF-In" and to your TV Aerial socket.

Select Language

Press ◄ / ► button on the remote control to select the language to be used for menus and message.

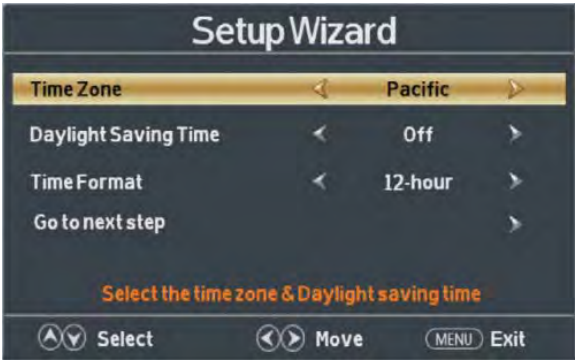
Press ▼ / ▲ button on the remote control to select go to next step and press **ENTER/►** button to go.

Select Time

Press ▼ / ▲ button on the remote control to select the time zone, daylight saving time and time format you want to.

Press ◄ / ► button on the remote control to adjust.

Press ▼ / ▲ button on the remote control to select go to next step and press **ENTER/►** button to go.



Setup Wizard

Auto Scan

Press ◄ / ► button on the remote control to select the antenna type.

Press ▼ / ▲ button on the remote control to select go to next step and press **ENTER/►** button to start auto scan.

SELECT INPUT SOURCE

Press **INPUT** button to display the input source list,

Press ▼ / ▲ or **INPUT** button to select the input source you want to,

Press **ENTER** button to enter the input source,

Press **EXIT** button to quit.

Main Menu

Press MENU to display the main menu or return to the previous menu or close the main menu.
Press ◄/► to highlight the desired menu icon, and press ENTER to select.

If no buttons are pressed, the menu will close automatically after about 10 seconds.

Main Menu Operation

Picture Menu

Press **MENU** to enter the main menu, Press ◄ / ► button to select.
Press **ENTER** / ▼ to enter.
Press **MENU** again to exit or back to parent menu.

Press ▼ / ▲ button to select among Picture Mode / Contrast / Brightness / Color / Tint / Sharpness / Color Temperature / Advanced Settings.
Press **ENTER** / ▼ to enter.
Press ◄ / ► button to adjust.
Press **MENU** again or back to parent menu.

【Picture Mode】
Adjust picture mode to change picture appearance.
Press ◄ / ► button to select(Power Saving / Standard / Dynamic / Soft / User).

Power Saving	Reduces total power consumption.
Standard	Produces a highly defined image in a normally lit room.
Dynamic	Produces a highly defined image in a brightly lit room.
Soft	Produces a highly defined image in a soft lit room.
User	Select to customize User settings.

【Contrast】
Adjust the white level of the picture.
Press ◄ / ► button to adjust.

【Brightness】
Adjust darkness of black sections in the picture.
Press ◄ / ► button to adjust.

【Color】
Adjust the color intensity of the picture.
Press ◄ / ► button to adjust.

【Tint】
Adjust the hue(Red,Green,Blue) of the picture.
Press ◄ / ► button to adjust.

Sound Menu

【Sharpness】
Object edges are enhanced for picture detail.
Press ◄ / ► button to adjust.

【Color Temperature】
Change the overall color cast of the picture.

Normal	Produces a vivid image.
Warm	Produces a red-hued image.
Cool	Produces a gentle blue-hued image.

【Advanced Settings】
Adjust advanced video features to fine tune the picture.
Press ► button to enter.

【Aspect Ratio】
Adjust how the picture fills the screen.

Normal	Automatically adjust Aspect Ratio based on TV size and TV program.
Zoom	Expands image to fill screen. Top and button maybe cut off.
Cinema	Stretches image at edges but keeps a clear image in the center.
Wide	Use to watch wide screen(16:9) content.

【Noise Reduction】
Set options to reduce video noise.

Off	Select to turn off video noise detection.
Low	Detect and reduce low video noise.
Medium	Detect and reduce moderate video noise.
High	Detect and reduce enhanced video noise.

【Dynamic Contrast】
Automatically adjust picture detail and brightness.
Press ◄ / ► button to select (Off/On).

【MFCLevel】
Set options to MFC
Press ◄ / ► button to select(Off/Low/Mediam/High)

Sound Menu

Press **MENU** to enter the main menu, Press ◄ / ► button to select.
Press **ENTER** / ▼ to enter.
Press **MENU** again to exit or back to parent menu.

Sound Menu

Press ▼/▲ button to select among Equalizer / MTS / Audio Language / SPDIF Type / Surround Sound / AVL / SRS Settings.
Press **ENTER** / ▼ to enter.
Press ◄/► button to adjust.
Press **MENU** again or back to parent menu.

【Equalizer】
Select a sound mode to achieve ideal sound.
Press ◄/► button to select(Standard / Music / Movie / Sports / User).

Standard	Produces a balanced sound in all environments.
Music	Preserves the original sound. Good for musical programs.
Movie	Enhances treble and bass for a rich sound experience.
Sports	Enhances vocals for TV audio.
User	Select to customize audio settings.

【MTS】
Configures the multi-track sound. It is only available in ATV.
Press ◄/► button to select(Mono/Stereo/SAP).

Mono	Sets the sound to mono.
Stereo	Sets the sound to stereo when stereo is not available, the sound is automatically switched to mono.
SAP	Sets the sound to the second audio program.

【Audio Language】
Select the language supported by the chosen digital channel.It is available Only in DTV.
Press ◄/►button to select(English/French/Spanish).

【Digital Audio Output】
Send digital audio to external audio system.
Press ◄/► button to select.

PCM	Select to output audio in 2-channel stereo.
RAW	Passes RAW audio sound.
Off	Select off Audio Language

【Surround Sound】
Set the surround sound.
Press ◄/► button to select(On / Off).

【AVL】
Set the auto volume control.
Press ◄/► button to select(On / Off).

Time Menu

Press **MENU** to enter the main menu, Press ◄ / ► button to select.
Press **ENTER** / ▼ to enter.
Press **MENU** again to exit or back to parent menu.

Press ▼ / ▲ button to select among Sleep Timer / Time Zone / Daylight Saving Time / Time Format / AutoClock / Clock
Press **ENTER** / ▼ to enter.
Press ◄ / ► button to adjust.
Press **MENU** again or back to parent menu.

【Sleep Timer】
Set a timer for the TV to turn off automatically.
Press ◄ / ► button to select(Off / 5 Min / 10 Min / 15 Min / 30 Min / 60Min / 90Min / 120Min / 180Min / 240Min).

【Time Zone】
Select your time zone.
Press ◄ / ► button to select(Eastern / Central / Mountain / Pacific / Alaska / Hawaii / Samoa / Newfoundland / Atlantic).

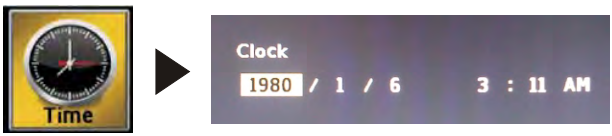
【Daylight Saving Time】
Set the daylight saving time for your area.
Press ◄ / ► button to select(On / Off).

【Time Format】
Select your time format.
Press ◄ / ► button to select(12-hour / 24-hour).

【Auto Sync】
Use to synchronize the display automatically.
Press ◄ / ► button to select(On / Off).

Clock Menu

Set year, month, day, hour, minute, day and night.
press remote digital key 0-9.



Setup Menu

Press **MENU** to enter the main menu, Press ◄ / ► button to select.
Press **ENTER** / ▼ to enter.
Press **MENU** again to exit or back to parent menu.

Press ▼ / ▲ button to select among Menu Language / Transparent / OSD Timeout / Closed Caption / Input Label / Other settings / Restore Default / Setup Wizard.
Press **ENTER** / ▼ to enter.
Press ◄ / ► button to adjust.
Press **MENU** again or back to parent menu.

【Menu language】
Adjust TV Menu options.
Press ◄ / ► button to select language(English / Français / Español).

【Transparent】
Adjust the transparency of the OSD (on screen display) menu.
Press **ENTER** / ► button to enter.

【OSD Time Out】
Adjust the duration of the OSD (on screen display) menu.
Press ◄ / ► button to select. (5、15、30、45、60 Sec)

【Closed Caption】
Adjust Closed Captioning settings. Only available under TV and AV source.
Press **ENTER** / ► button to enter.
For detail please refer to page 12.

Close Caption

【CC Mode】
Turn Closed Captioning on/off.
Press ◄ / ► button to select(CC Off / CC On / CC OnMute).

【Analog CC】
Set Closed Captioning for standard(analog) program.
Press ◄ / ► button to select(Off / CC1 / CC2 / CC3 / CC4 / TEXT1 / TEXT2 / TEXT3 / TEXT4).

【Digital CC】
Set Closed Captioning for digital program.
Press ◄ / ► button to select(Off / Service1 / Service2 / Service3 / Service4 / Service5 / Service6).

【Option】
Adjust the digital Closed Captioning setting.
Press ► button to enter.

Setup Menu / Close Caption

【Mode】
Set the look of digital Closed Captioning. Automatic uses broadcaster's style.
Press ◄ / ► button to select(Default / Custom).

【Font Style】
Select from 8 font styles.
Press ◄ / ► button to select(Default / Font 0 / Font 1 / Font 2 / Font 3 / Font 4 / Font 5 / Font 6 / Font 7).

【Font Size】
Adjust the size of the digital Closed Captioning font.
Pressvbutton to select(Default /Normal / Large / Small).

【Font Edge Style】
Adjust the edge of the digital Closed Captioning box.
Press ◄ / ► button to select(Default / None / Raised / Depressed / Uniform / Left Shadow / Right Shadow).

【Font Edge Color】
Adjust the color of the digital Closed Captioning box.
Press ◄ / ► button to select(Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【FG Color】
Adjust the color of the digital Closed Captioning font.
Press ◄ / ► button to select(Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【BG Color】
Adjust the digital Closed Captioning background color.
Press ◄ / ► button to select(Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【FG Opacity】
Adjust the transparency of the digital Closed Captioning font.
Press ◄ / ► button to select(Default / Solid / Flashing / Translucent).

【BG Opacity】
Adjust the digital Closed Captioning background transparency.
Press ◄ / ► button to select(Default / Solid / Flashing / Translucent).

*NOTE: All the options can not be adjust while the mode is Custom.

Lock Menu

【Input Labels】
Create labels for the devices connected to your TV.
Press **ENTER** / ▶ button to enter.

【Other Settings】
Set the parameter of audio only, no signal power off and no operation power off.
Press **ENTER** / ▶ button to enter.

【Audio Only】
Play the audio with the picture turned off. When you turn the Audio Only on and exit the OSD menu, the panel will be dark; and then press any key to exit the Audio Only status.
Press ◀ / ▶ button to select(On / Off).

【Restore Default】
Change power on options or reset TV to factory default.
Press **ENTER** / ▶ button to enter.

【Setup Wizard】
Set the first time installation.
Press **ENTER** / ▶ button to enter.
For detail please refer to page 1~2.

Lock Menu

Press **MENU** to enter the main menu, Press ◀ / ▶ button to select.
Press **ENTER** / ▼ to enter.
Press **MENU** again to exit or back to parent menu.

Lock Menu

Press ▼ / ▲ button to select among Change Password / System Lock / Input Block / US / Canada / RRT Setting / Reset RRT.
Press **ENTER** / ▼ to enter.
Press ◄ / ► button to adjust.
Press **MENU** again or back to parent menu.

Enter your 4-digital password. Default password is 0000,and if forget what you set, please call the service center.

【Change Password】
Enter a new 4-digital password then re-enter it to confirm.
Press ► button to enter.

【System Lock】
Lock or unlock the buttons on the TV.
Press ◄ / ► button to select(Off / On).

【Input Block】
Block or unblock the input sources.
Press ► button to enter.
Press ◄ / ► button to select(Unblock / Block).

【US】
Restrict movie and TV programs by US Ratings.
Only available when "System Lock" is "on".
Press ► button to enter.
For detail please refer to page 16~17.

【Canada】
Restrict movie and TV programs by Canadian Ratings..
Only available when "System Lock" is "on".
Press ► button to enter.
For detail please refer to page 17.

【RRT Setting】
Display an advance V-Chip rating table for digital channels.
The item is available only When current stream has downloadable rating data.

【Reset RRT】
Reset the RRT to default.
The item is available only When current stream has downloadable rating data.

US

For the United States, the rating setting basically include the following options: TV, MPAA.

TV

The TV rating compose of two aspects: age-based and content-based.

Age	Define
TV-Y	General audience
TV-Y7	Parental guidance suggested
TV-G	Parents strongly cautioned
TV-PG	Retricted
TV-14	No one 17 and under admitted
TV-MA	Adult audience only

*Note:
The content ratings will increase depending on the level of the age-based rating. For example, a program with a TV-PG V(violence) rating may contain moderate violence, while a TV-14 V(violence) rating may contain intense violence. So locking a higher level option will automatically cause locking the options that has more sensitive level.

MPAA

This system defines the rating control which come from MPAA rules.

Rating	Define
G	General audience. All ages admitted.
PG	Parental guidance suggested. Some material may not be suitable for children.
PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
R	Restricted. Children under 17 require accompanying parent or adult guardian.
NC-17	No one 17 and under admitted.
X	Adult audience only.

Canada

For Canada, the rating setting include the following options: Canada Eng, Canada Fre.

Canada Eng

These ratings are for programs which are using English rating system.

Rating	Defined as
C	Children
C8+	Children 8 years and older
G	General programming
PG	Parental guidance
14+	Viewers 14 and older
18+	Adult programming

Canada Fre

The ratings are for programs which are using French rating system.

Rating	Defined as
G	General
8 ans+	Not recommended for children under age 8
13 ans+	Not recommended for children under age 13
16 ans+	Not recommended for children under age 16
18 ans+	This program is restricted to adults

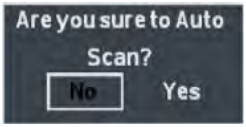
Channel Menu

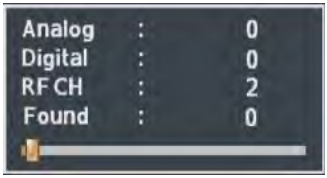
Press **MENU** to enter the main menu, Press ◄ / ► button to select.
Press **ENTER** / ▼ to enter.
Press **MENU** again to exit or back to parent menu.

Press ▼ / ▲ button to select among Air/Cable / Auto Scan / Favorite / Show/Hide / Channel No. / Channel Label.
Press **ENTER** / ▼ to enter.
Press ◄ / ► button to adjust.
Press **MENU** again or back to parent menu.

【Air/Cable】
Select signal type.
Press ◄ / ► button to select(Air/Cable).

【Auto Scan】
Automatically search for channels.
Press **ENTER** / ► button to enter.





【Favorites】
Add channels to create a favorite list.
Press ► button to enter.

【Show/Hide】
Show or hide the channels in your program list.
Press ▶ button to enter.

【Channel No.】
Show the channel number.
Press ◀ / ▶ button to adjust.

【Channel Label】
Create labels for channels ,up to 7 characters.
Press ◀ / ▶ button to adjust.

PC Menu

Press **INPUT** to select PC source.
Press **MENU** to enter the main menu, Press ◀ / ▶ button to select Setup menu.
Press ▼ to select PC Settings.

PC Menu

Press ▼ / ▲ button to select among H-Pos / V-Pos / Clock / Phase / Auto.
Press **ENTER** / ▼ to enter.
Press ◄ / ► button to adjust.
Press **MENU** again or back to parent menu.

【H-Pos】
Adjust the horizontal position of the picture.
Press ◄ / ► button to adjust.

【V-Pos】
Adjust the vertical position of the picture.
Press ◄ / ► button to adjust.

【Clock】
Minimize vertical stripes in the screen image.
Press ◄ / ► button to adjust.

【Phase】
Minimize horizontal distortion.
Press ◄ / ► button to adjust.

【Auto】
Adjust to the PC signal timing automatically.
Press ► button to enter.

---

*Notes:

1. PICTURE menu and description are the same as that for TV mode.
2. Audio Language in SOUND menu is invalid.
3. TIME menu and description are the same as that for TV mode.
4. Close Caption in SETUP menu is invalid.
5. US, Canada, RRT Setting and Reset RRT in LOCK menu is invalid.
6. PC mode has no CHANNEL menu.

AV / COMPONENT / HDMI

1. PICTURE menu and description are the same as that for TV mode.
2. Audio Language in SOUND menu is invalid.
3. TIME menu and description are the same as that for TV mode.
4. Close Caption in SETUP menu is invalid.
5. US, Canada, RRT Setting and Reset RRT in LOCK menu is invalid.
6. AV / COMPONENT / HDMI mode has no CHANNEL menu.

Media OPERATION

Note: Before operating **Media** menu,Plug in USB device, then press **INPUT** button to set the Input Source to **Media** .
Press ◄ / ► button to select **Media** in the Source menu, then press **Enter** button to enter.

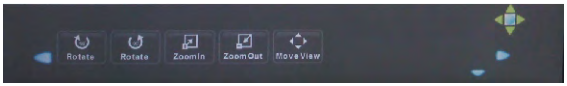
Press ◄ / ► button to select the option you want to adjust in the main **Media** menu,
then press **Enter** button to enter.

Photo Menu

Press ◄ / ► button to select PHOTO in the main menu, then press **Enter** button to enter.
Press menu button to return back to the previous menu and exit menu to quit.
Press ◄ / ► button to select drive disk you want to watch, then press **Enter** button to enter.
Press ◄ / ► button to select return option to back to the previous menu.

Press ◄ / ► button to select the file you want to watch in the file selecting menu, then press media button to display picture.

When highlighting the option you select, the file information will appear on the right and picture will be previewed in the center.



Press ◄ / ► button to select the file folder you want to search in the file selecting menu, then press red or **Enter** button on your remote control to enter sub-menu.
Press ◄ / ► button to select the file you want to delete in the file selecting menu, then press red button on your remote control and press **Enter** button to delete files.

Note

Music: photo and music simultaneously play, must put photo and music file in the same folder.

Move View: Press" Zoom In" key to zoom in, then press " Move View" appears on angle under right to move the cursor, you can operate" above and below" key of mobile Photo.

Music Menu

Press ◄ / ► button to select MUSIC in the main menu, then press **Enter** button to enter.

Press menu button to return back to the previous menu and exit menu to quit.

Press ◄ / ► button to select drive disk you want to watch, then press **Enter** button to enter.

Press ◄ / ► button to select return option to back to the previous menu.

Press ◄ / ► button to select the file you want to watch in the file selecting menu,

then press **Enter** button to add the file to play list, press media button to display and operate file details.

When highlighting the option you select, the file information will appear on the right and picture

will be previewed in the center.

Press ◄ / ► button to select menu in the bottom you want to run, then press **Enter** button to operate.

Press **Menu** button to back to the previous menu and exit button to quit the entire menu.

Press ▼ button to hide the menu int the bottom.

How do I clean the TV ?

IMPORTANT

1. The power cable has to be removed from the socket before cleaning the TV.
2. Do not use volatile solvent (alcohol, rosin, and toluene) to clean the TV. These types of chemicals might damage the housing and the LCD glass.

Cleaning the bezel and remote control

1. Use a 100% cotton cloth or micro-fiber cloth for cleaning.
2. If the remote control or bezel is dirty to the point where you cannot simply dry wipe it, please lightly dampen the wiping material (**the wiping material cannot be dripping wet, because if water drips into the panel it will cause malfunction and possible permanent damage to the panel which will not be covered under the warranty)** with clean water and wipe again. Wipe the display with a dry micro-fiber cloth or 100% cotton cloth afterwards.

Please Note :

- Make sure you wring the water out of the cloth before cleaning the bezel or remote in order to prevent water from penetrating into the electronics.

Cleaning the Screen

1. Use a 100% cotton cloth or micro-fiber cloth for cleaning.
2. The LCD screen glass is extremely fragile. Do not scrape it with any material. Do not press or tap the screen to avoid cracking. When the screen is dirty to the point where you cannot simply dry wipe it, please lightly dampen the wiping material with clean water and wipe again. Wipe the display with a dry micro-fiber cloth or 100% cotton cloth afterwards.

This HDTV meets the ENERGY STAR®

Troubleshooting

The following table contains the common problems and the solutions to these problems. Please check this list before you contact the technicians.

Problems	Solutions
NO PICTURE	Connect power cord correctly.
	Turn on power.
	Connect video cable correctly.
	Select the input signal source with proper cable connection with the source button.
ABNORMAL COLORS	Match the colors on the cables to the ports off the back of the television. I.E. red cable to red colored port.
PICTURE IS TOO DARK	Adjust your contrast, brightness and lamp settings from the OSD Menu. For adjust controls, refer to page 27.
AUDIO ONLY NO PICTURE	Make sure you have connected both your video and audio cables.
	The TV's tuner signal must not be lower than 65 %.
PICTURE ONLY NO AUDIO	Make sure the audio cable is connected.
	Readjust your volume via the remote control.
	The TV's tuner signal must not be lower than 65 %.
REMOTE CONTROL DOES NOT WORK	Turn off the TV, unplug it from the socket. Remove the batteries out of the remote for 30 minutes. Press the remote buttons and the power button randomly for a good 2 seconds, and then reinstall the batteries. Try the remote to see if it works. For battery removal instructions, refer to page 13.
	The TV's remote sensor is also housed in the same place as the power indicator light. Please make sure there is line of sight from the remote control's front sensor to the remote sensor of the TV.
CANNOT RECEIVE SUFFICIENT CHANNELS THROUGH THE ATSC/NTSC TUNER	The TV's tuner signal must not be lower than 65 %. Change the direction of your antenna and rescan your channels. If you have cable call up your cable company and ask about signal strength of your local cable.
NO COLOR	Please adjust your picture setup and make sure the saturation and the RGB are not turned all the way down. For adjustment controls refer to page 27.
	The TV's tuner signal must not be lower than 65 %. Check your signal.
WEAK SIGNAL OR NO PROGRAM SYMBOL ON SCREEN	The TV's tuner signal must not be lower than 65 %. Change the direction of your antenna and rescan your channels. If you have cable call up your cable company and ask about signal strength of your local cable.
TV'S UNIVERSAL REMOTE CODE	**This television follows NEC's universal remote code. To find the actual code you must read through your own universal remote's guide book.**

Problems	Solutions
TV CHANNELS ARE BLOCKED	Check your auto lock function's settings inside the OSD. You may have locked up some channels but forgot about them. Refer to page 34 for more instructions.
UNIVERSAL REMOTE CODE	This TV follows NEC's universal remote code. Please check your hand book for NEC's codes then apply them.
THE TV TURNS ON OR OFF SLOWLY AND THE SCREEN SHOWS UP SLOWLY	This TV is a High Definition liquid crystal display panel TV. It requires a few more seconds than normal TVs to power up and show the picture.
NO SOUND ON PC	Make sure you have a 3.5 mm mini-jack cable connected from your pc's sound output to the TV's VGA STEREO INPUT.
HDCP VIDEO SAYS NO HDCP SUPPORT	Reboot your HDCP video device but turning them off and unplugging the power cord. Wait up to 8 minutes to plug the power back in to see if it works or not.
HDCP VIDEO HAS NO AUDIO	Make sure you have a 3.5 mm mini-jack cable connected from your HDCP video device's sound output to the TV's VGA STEREO INPUT. If your HDCP video device uses RCA AUDIO jacks, you'll need to obtain a RCA audio converted into 3.5 mm mini-jack cable.
CANNOT GET 1920X1080 ON PC VGA	Make sure the TV is recognized as plug and play monitor. Try updating your video card's drivers as well. If that does not help, most likely you'll need to upgrade your video card to a newer one.
PICTURE IS DISTORTED OR HAS ABNORMAL SOUND	This might be from interference from large electrical appliances, cars, motorcycles, or fluorescent lights. If the TV is close to the wall, try moving the TV to another room in your house to see if the problem still occurs.
PICTURE DOES NOT COVER THE ENTIRE SCREEN	If you're using HDMI or a TV digital channel make sure you use the ASPECT button to switch to 16:9 format. If you are using VGA, use the AUTO ADJUST function to adjust to the screen. Please Note : If you are using regular analog TV, AV, or component in 480i resolution, use the ASPECT button to switch to 16:9 in order to fill up the screen. Please Note : This note this feature will distort the picture.
PICTURE QUALITY IS HORRIBLE!!	For best image quality, view HD widescreen programs where possible. If HD content is not available view "Standard Definition" from a digital source. Standard, analog TV will always be noticeable inferior to HD because your TV has video that is many times better than old TV's and so you can see interference and deficiencies you did not KNOW you had.
PICTURE HAS PIXELS THAT ARE ALWAYS DISPLAYING THE SAME COLOR	Your TV is manufactured using an extremely high level of precision technology, however, sometimes some pixels of your TV may not display. Pixels defects within industry specifications are inherent to this type of product and do not constitute a defective product.
I CANNOT CHANGE THE TIME MANUALLY	Your TV syncs time automatically according to your local TV channel. This function only works while the TV's tuner is connected to an ANTENNA.
BIG BLACK BOX IN THE MIDDLE OF SCREEN	You have turned on closed captioning and are using TEXT1 – TEXT4. Change the setting to CC1 or turn off closed captioning and the box will disappear. Refer to page 40 for more information.

Problems	Solutions
SWITCHING A CHANNEL OR SOURCE CHANGES THE VOLUME	Different channels and inputs will sometimes have this effect because the channel signal's own volume is already loud. There is no way remove this completely. The TV has an AUTO VOLUME LEVEL function that can combat this type of effect. Please make sure that function is turned on.
THERE IS NOISE OR TRASH PIXELS ON THE SCREEN	When your TV's resolution is higher than the digital channel's broadcast resolution, the signal is up-converted to match your TV's resolution. Up-converting can cause this type of effect.
TIPS FOR HIGH DEFINITION USERS	The TV is an ideal platform for viewing High Definition Content. The best image quality can be achieved by HDMI, YPbPr (Component), then VGA. However, due to variances in broadcast practices, it is possible some image distortions can occur.
TIPS FOR LETTERBOX CONTENT USERS	Letterboxed (Widescreen) versions of DVD movies are most commonly formatted for standard 4:3 TVs. The TV has the capability of expanding this content so the entire screen is filled at the expense of the image proportion. To use this function press the aspect button on the remote control and cycle among the available options.
I CANNOT FIND THE VOLUME AND CHANNEL CHANGING BUTTONS	The buttons are represented by the ▲▼◄► buttons located on the remote control. ▲▼ changes the channels and ◄► changes the volume.
TV TURNS OFF AUTOMATICALLY AFTER 10 MINUTES	The TV features a power saving mode which will automatically turn off the TV, if there's no signal provided for more than 10 minutes.

Specification

Panel Specifications	
Aspect Ratio	Widescreen 16:9
Pixel Pitch	0.36375 (H) x 0.36375 (V) mm per one triad
Max. of Pixels (Resolution)	HD (1366 x 768 pixels)；FHD（1920x1080 pixels）
Brightness	300 nits (Typical)
Contrast	1000:1 (Typical) with Auto Contrast Enhancement
Response Time	5 ms (gray to gray)
Viewing Angle	Typical 178/178Degree (Horizontal/Vertical)
Lamp Life of Backlight	> 30,000hrs
Functions	
(1) Video Functions	
De-Interlace	3D
Frame Recover	3:2
Noise Reducing Core Technology	3D
Aspect Ratio	Normal, Wide,Zoom,Cinema
Gamma	Fixed Gamma
Lamp Adjust	Yes
Picture Mode	Power Saving,Standard,Dynamic,Soft,user
Video Adjust	Brightness / Contrast / Color / Tint / Sharpness
(2) Audio Functions	
Sound Mode	User,Standard,Music,Movie,Sports
Tone	Balance
Spdif Out	Yes (coax)
Speakers	10 watt per channel
Surround Sound	Yes
Sound Equalizer	5 Band

(3) General Funtions	
Hybrid Tv Tuner	NTSC / ATSC / QAM (Digital Cable Ready)
Channel Auto Scan	Yes
Sleep Timer (Minutes)	Off / 5 / 10 / 15 / 30 / 60 / 90 / 120 / 180 / 240
Screen Size	39 inch
Power requirement	AC100-240V~ , 50/60Hz
Power consumption	＜ 140W
Standby Power	Under 1W
Timing Support-Video	480i / 480p / 720p / 1080i / 1080p
PC Timing	1920x1080@60Hz(Native) 1360*768@60 Hz 1024*768@60, 70, 75Hz 800*600@60, 75Hz 640*480@60, 75Hz
Multimedia Format	Audio: MP3 (32-48Khz) Picture: JPEG (Baseline) up to 5000x5000 USB file system: FAT32/FAT16
(4) Tuner Functions	
NTSC	Sound: Mono / Stereo / SAP
	Favorite Channel
	V-chip
	Closed caption (CC1-CC4, Text 1-Text 4)
ATSC	Favorite Channel
	V-chip
	Video input format: 1080i, 720p, 480p, 480i
	Analog closed caption (CC1-CC4, Text 1-Text 4) Digital closed caption (Service 1-Service 6)
(5) Input / Output Connections	
Input Ports	1 input x TV Tuner (NTSC/ATSC) 1 input x AV (audio shared with YPbPr) 1 input x YPbPr (audio shared with AV) 3 inputs x HDMI/HDCP (optional, HDCP audio shared with VGA Audio In) 1 input x VGA 1 input x VGA Audio In 1 input x USB
Output Ports	1 output x COAXIAL (digital audio) out 1 output x Audio Left/Right out

*The product's specifications may change without notice or obligation.
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